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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS 5	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 6	SEP 11	CA/CAplus enhanced with more pre-1907 records
NEWS 7	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 8	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 9	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 11	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 12	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS 13	OCT 19	E-mail format enhanced
NEWS 14	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS 15	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 16	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 17	OCT 30	CHEMLIST enhanced with new search and display field
NEWS 18	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS 19	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS 20	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS 21	NOV 13	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS 22	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS 23	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS 24	NOV 20	CA/CAplus patent kind codes will be updated

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
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FILE 'HOME' ENTERED AT 16:03:55 ON 21 NOV 2006

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:04:16 ON 21 NOV 2006
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STRUCTURE FILE UPDATES: 20 NOV 2006 HIGHEST RN 913686-03-0
DICTIONARY FILE UPDATES: 20 NOV 2006 HIGHEST RN 913686-03-0

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http://www.cas.org/ONLINE/UG/regprops.html

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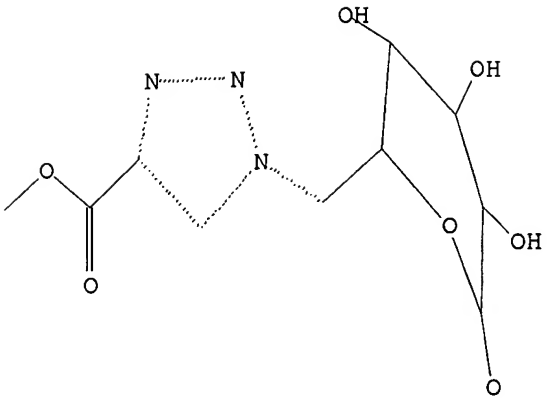

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FILE 'USPATFULL' ENTERED AT 16:04:43 ON 21 NOV 2006
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L3             3 L2

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L3   ANSWER 1 OF 3  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:1126986  HCAPLUS
DOCUMENT NUMBER:          142:73491
TITLE:                    Glycorandomization and production of novel vancomycin
                          analogs
INVENTOR(S):              Thorson, Jon
PATENT ASSIGNEE(S):       Wisconsin Alumni Research Foundation, USA
SOURCE:                   U.S. Pat. Appl. Publ., 79 pp., Cont.-in-part of U.S.
                          Ser. No. 109,672.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
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LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004259228	A1	20041223	US 2003-670073		20030924
US 2003068669	A1	20030410	US 2002-109672		20020401
US 6884604	B2	20050426			
US 2005266523	A1	20051201	US 2005-907692		20050412
US 2005239689	A1	20051027	US 2005-908624		20050519
PRIORITY APPLN. INFO.:			US 2001-279682P	P	20010330
			US 2002-109672	A2	20020401
			US 2003-670073	A2	20030924

OTHER SOURCE(S): CASREACT 142:73491

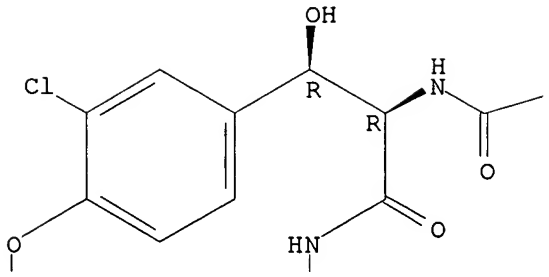
AB The present invention provides combinatorial methods for rapidly generating a diverse library of glycorandomized structures, comprising incubating 1 or more aglycons and a pool of NDP-sugars in the presence of a glycosyltransferase. The glycosyltransferase may be one that is associated with or involved in production of natural secondary metabolites, or one which is putatively associated with or involved in production of natural secondary metabolites. The glycosyltransferase may show significant flexibility with respect to its NDP-sugar donors and/or its aglycons. NDP-sugar donors may be com. available, or may be produced by utilizing mutant or wild type nucleotidyltransferases with significant flexibility with respect to their substrates.

IT 666219-98-3P 666220-35-5P
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(glycorandomization and production of novel vancomycin analogs)

RN 666219-98-3 HCAPLUS
CN Vancomycin, 2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-hexopyranosyl)-6'-deoxy-6'-[4-(methoxycarbonyl)-1H-1,2,3-triazol-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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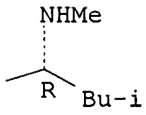

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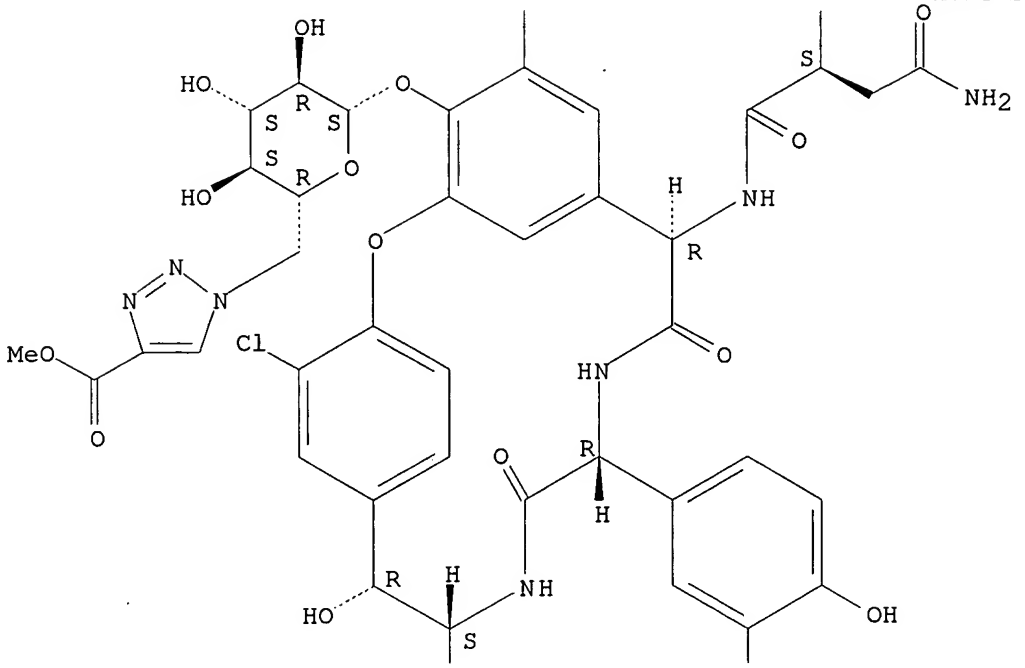

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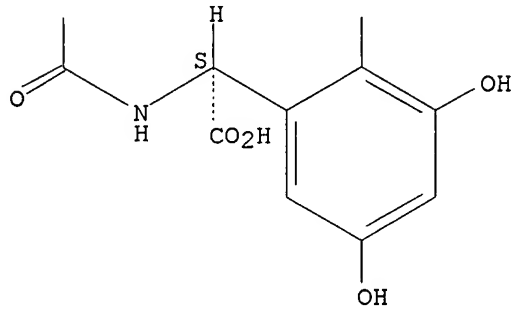
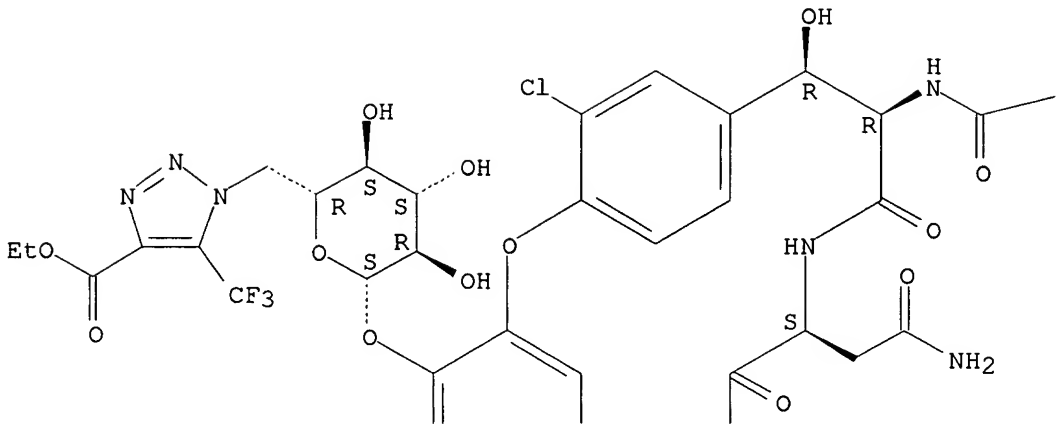


RN 666220-35-5 HCAPLUS
CN Vancomycin, 2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-hexopyranosyl)-6'-deoxy-6'-[4-(ethoxycarbonyl)-5-(trifluoromethyl)-1H-1,2,3-triazol-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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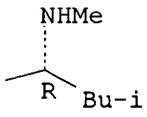

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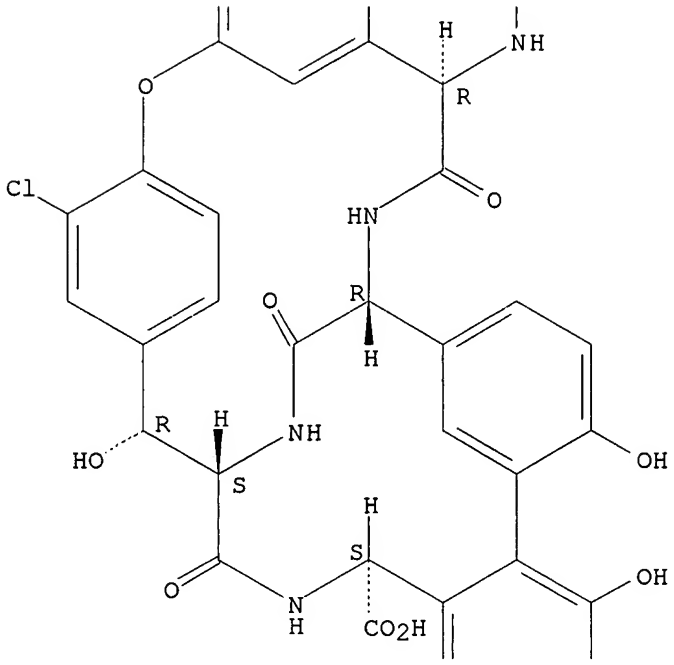

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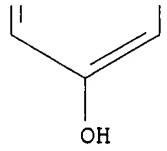
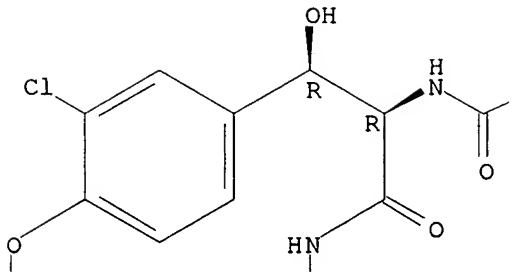


IT 666220-00-4P 666220-10-6P
RL: BPN (Biosynthetic preparation); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(glycorandomization and production of novel vancomycin analogs)
RN 666220-00-4 HCAPLUS
CN Vancomycin, 2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-hexopyranosyl)-6'-deoxy-6'-[4-[(1,1-dimethylethoxy)carbonyl]-1H-1,2,3-triazol-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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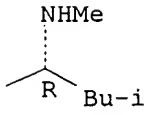

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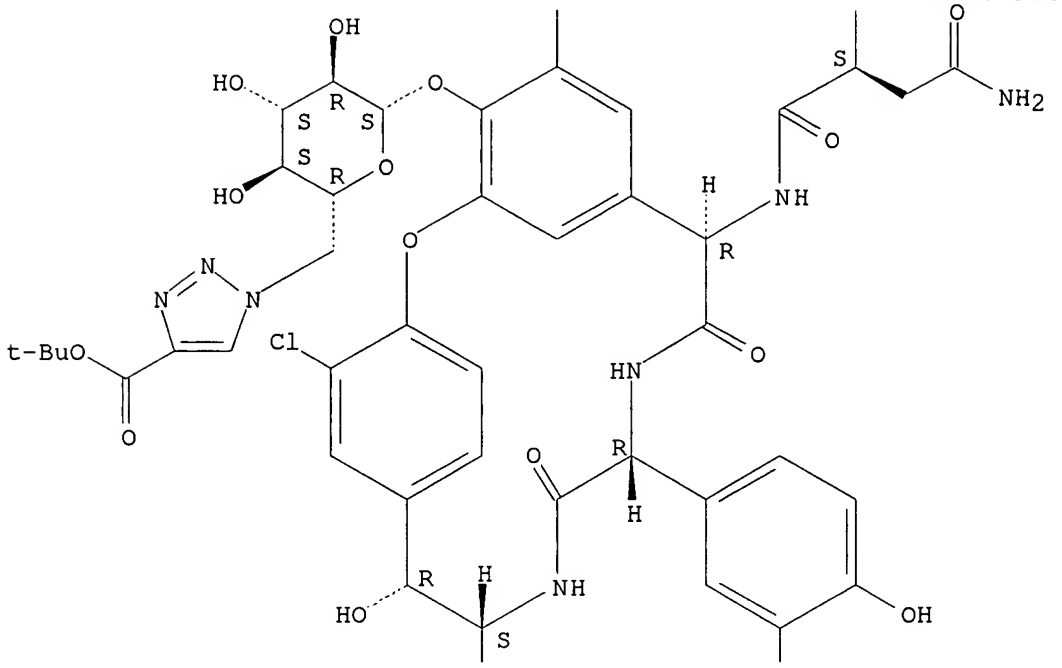

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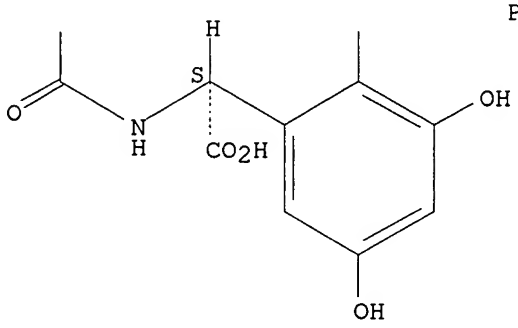
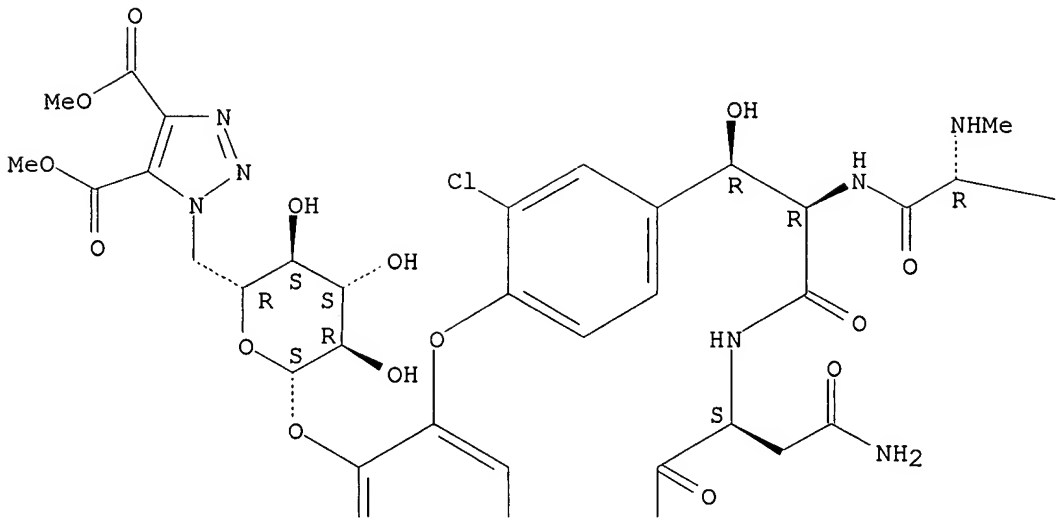


RN 666220-10-6 HCAPLUS
CN Vancomycin, 6'-[4,5-bis(methoxycarbonyl)-1H-1,2,3-triazol-1-yl]-2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-hexopyranosyl)-6'-deoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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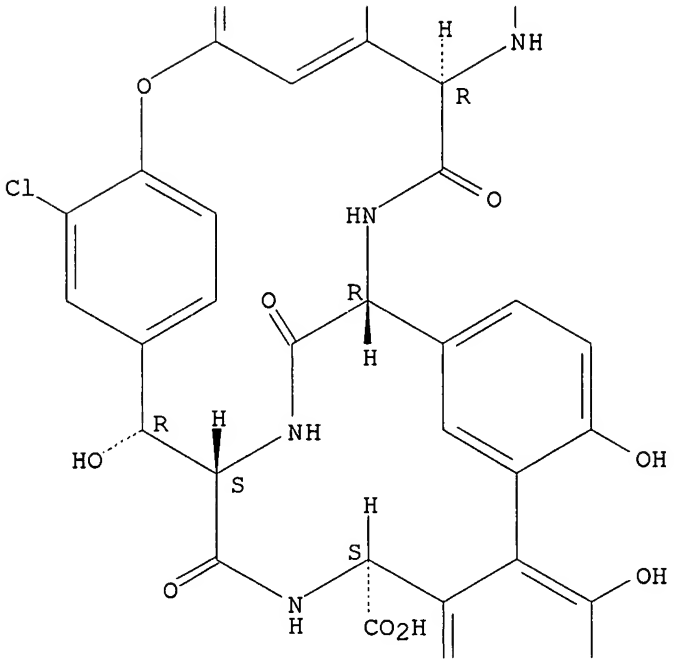

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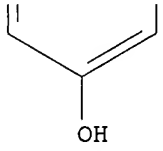


L3 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:925666 HCAPLUS
DOCUMENT NUMBER: 140:217887
TITLE: Antibiotic optimization via in vitro glycorandomization
AUTHOR(S): Fu, Xun; Albermann, Christoph; Jiang, Jiqing; Liao, Jianchun; Zhang, Changsheng; Thorson, Jon S.
CORPORATE SOURCE: School of Pharmacy, Laboratory for Biosynthetic Chemistry, University of Wisconsin-Madison, Madison, WI, 53705, USA
SOURCE: Nature Biotechnology (2003), 21(12), 1467-1469
CODEN: NABIF9; ISSN: 1087-0156
PUBLISHER: Nature Publishing Group
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 140:217887

AB In nature, the attachment of sugars to small mols. is often used to mediate targeting, mechanism of action and/or pharmacol. As an alternative to pathway engineering or total synthesis, we report a useful method, in vitro glycorandomization (IVG), to diversify the glycosylation patterns of complex natural products. We have used flexible

glycosyltransferases on nucleotide diphospho-sugar (NDP-sugar) libraries to generate glyco-randomized natural products and then applied chemoselective ligation to produce mono-glycosylated vancomycins that rival vancomycin.

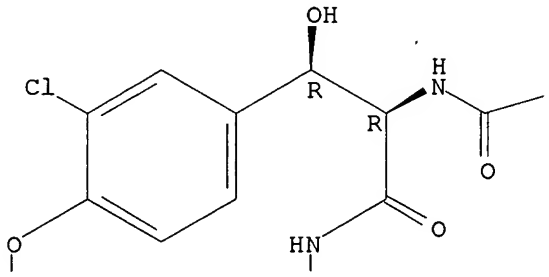
IT 666219-98-3P 666220-35-5P
RL: BPN (Biosynthetic preparation); PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of antibiotic mono-glycosylated vancomycins and optimization via in vitro glycorandomization)

RN 666219-98-3 HCAPLUS

CN Vancomycin, 2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-hexopyranosyl)-6'-deoxy-6'-[4-(methoxycarbonyl)-1H-1,2,3-triazol-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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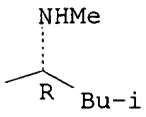

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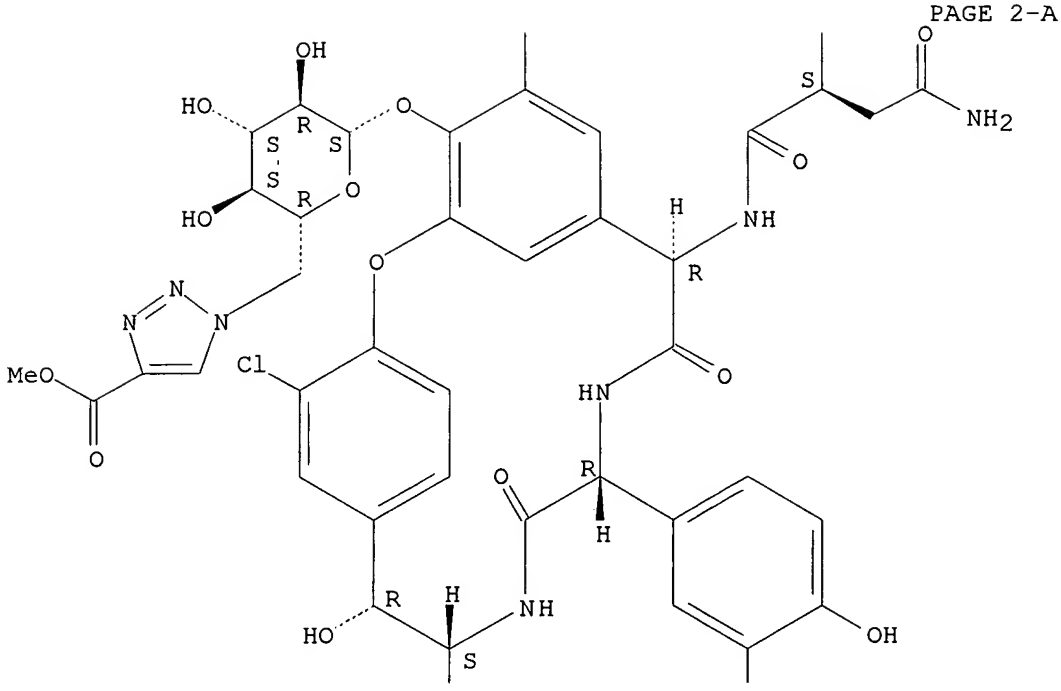

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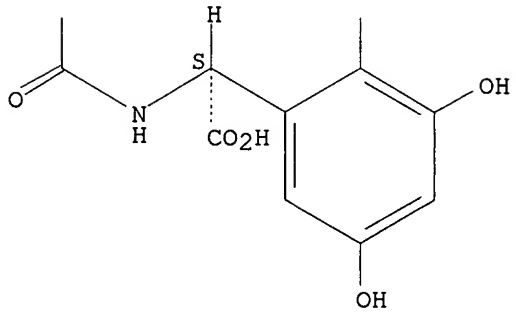
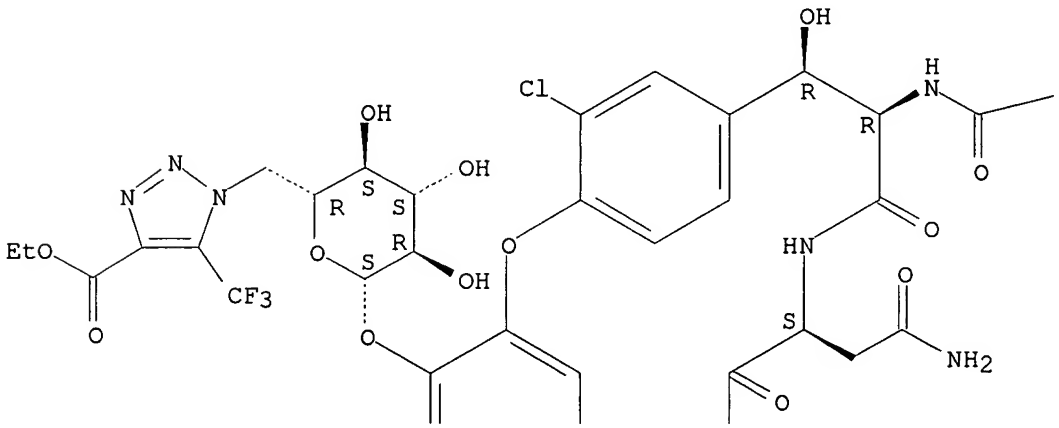


RN 666220-35-5 HCAPLUS
CN Vancomycin, 2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-hexopyranosyl)-6'-deoxy-6'-[4-(ethoxycarbonyl)-5-(trifluoromethyl)-1H-1,2,3-triazol-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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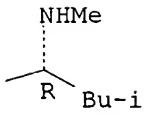

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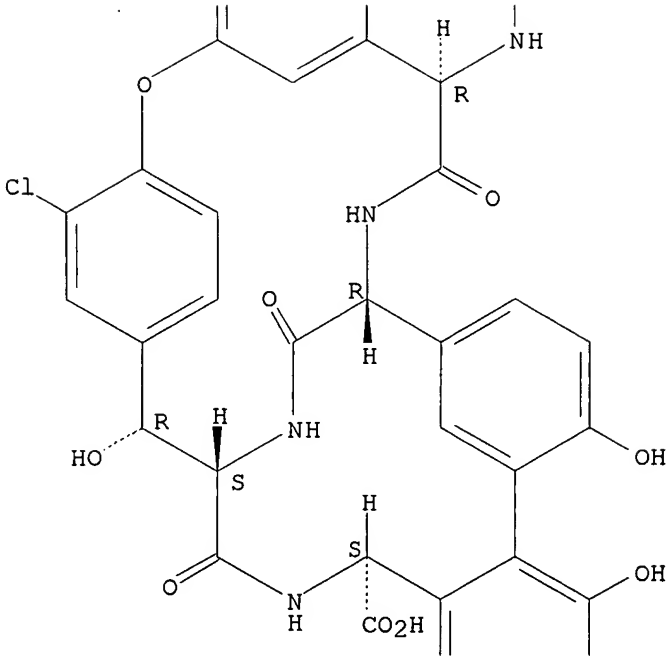

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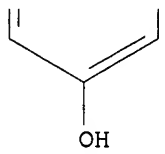


IT 666220-00-4P 666220-10-6P
RL: BPN (Biosynthetic preparation); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of antibiotic mono-glycosylated vancomycins and optimization

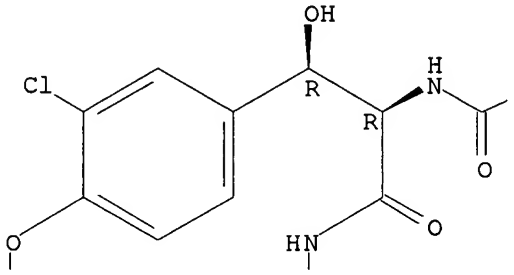
via in vitro glycorandomization)

RN 666220-00-4 HCAPLUS

CN Vancomycin, 2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-hexopyranosyl)-6'-deoxy-6'-[4-[(1,1-dimethylethoxy)carbonyl]-1H-1,2,3-triazol-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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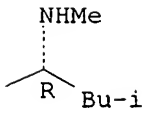

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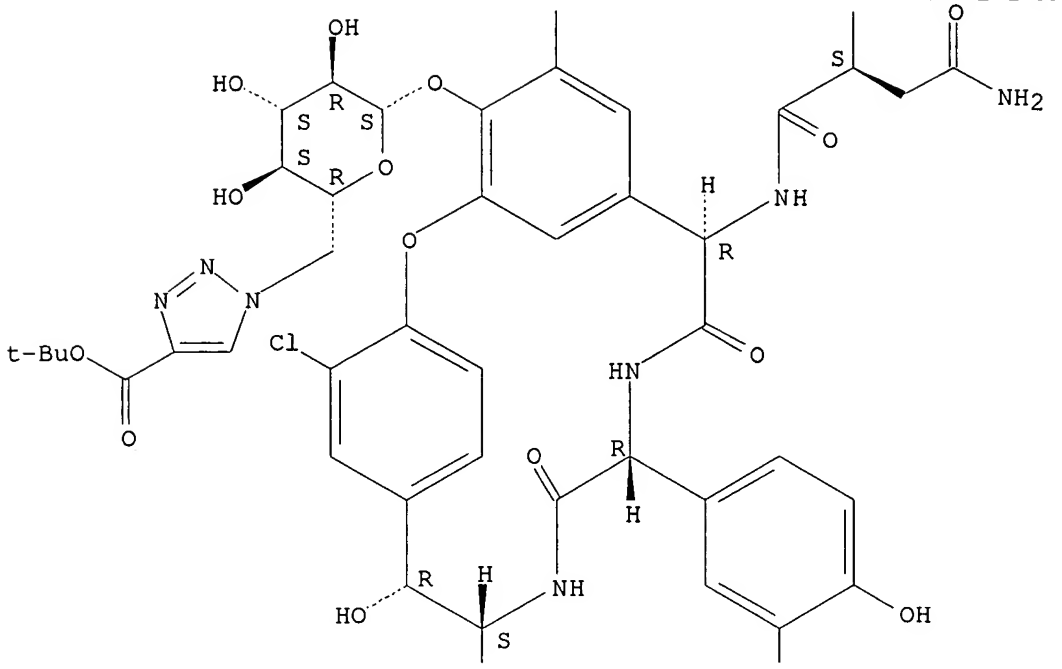

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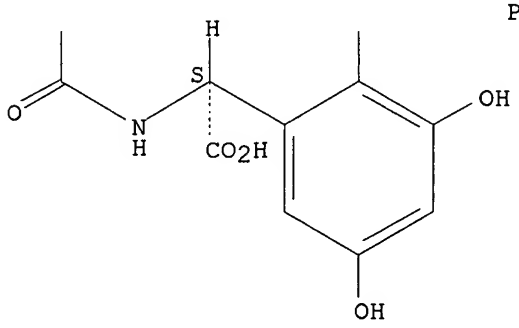

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Absolute stereochemistry.

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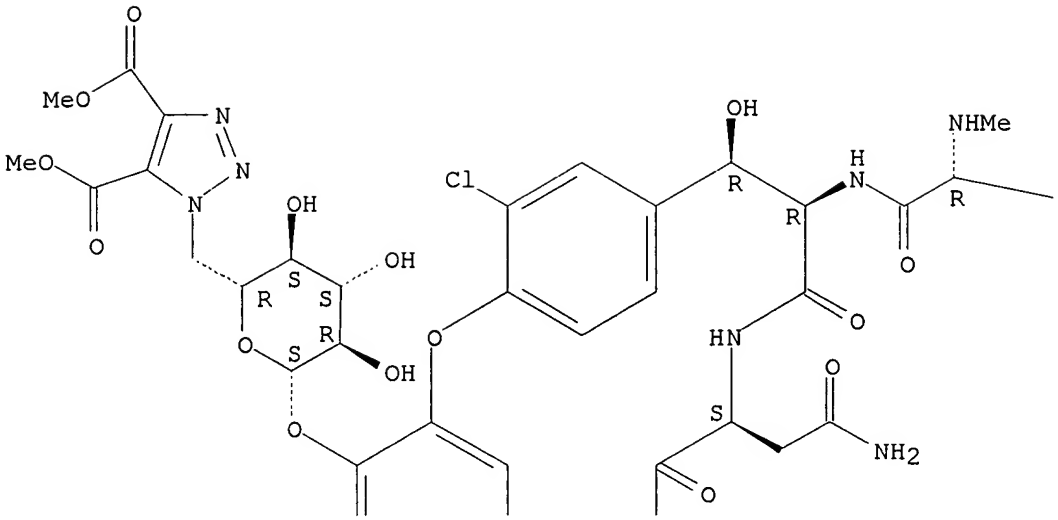

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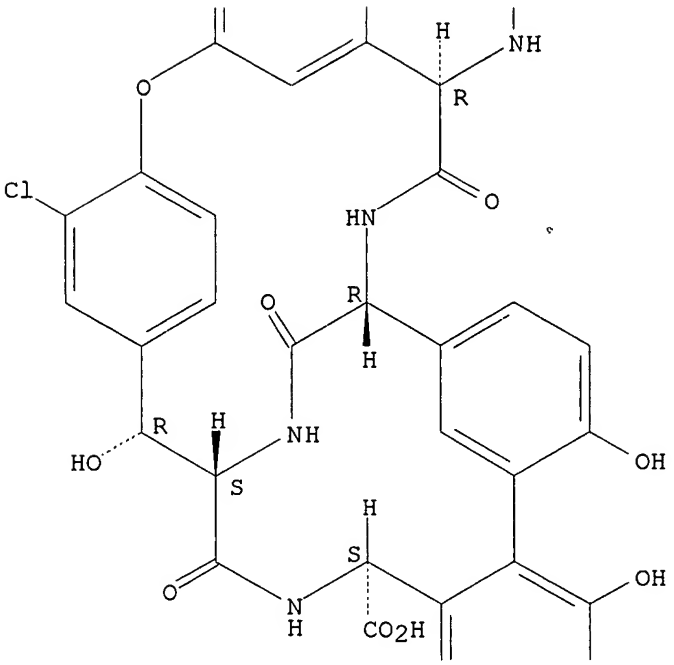

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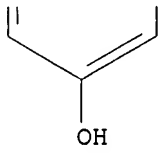

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L3 ANSWER 3 OF 3 USPATFULL on STN

ACCESSION NUMBER:	2004:327408 USPATFULL
TITLE:	Glycorandomization and production of novel vancomycin analogs
INVENTOR(S):	Thorson, Jon, Middleton, WI, UNITED STATES
PATENT ASSIGNEE(S):	Wisconsin Alumni Research Foundation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004259228	A1	20041223
APPLICATION INFO.:	US 2003-670073	A1	20030924 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2002-109672, filed on 1 Apr 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-279682P	20010330 (60)

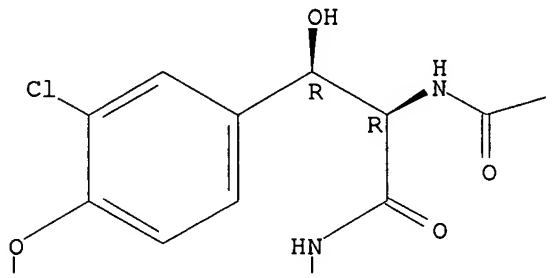
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION

LEGAL REPRESENTATIVE: GODFREY & KAHN, S.C., 780 N. WATER STREET, MILWAUKEE, WI, 53202
NUMBER OF CLAIMS: 43
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 17 Drawing Page(s)
LINE COUNT: 3698
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides combinatorial methods for rapidly generating a diverse library of glycorandomized structures, comprising incubating one or more aglycons and a pool of NDP-sugars in the presence of a glycosyltransferase. The glycosyltransferase may be one that is associated with or involved in production of natural secondary metabolites, or one which is putatively associated with or involved in production of natural secondary metabolites. The glycosyltransferase may show significant flexibility with respect to its NDP-sugar donors and/or its aglycons. NDP-sugar donors may be commercially available, or may be produced by utilizing mutant or wild type nucleotidyltransferases significant flexibility with respect to their substrates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 666219-98-3P 666220-35-5P
(glycorandomization and production of novel vancomycin analogs)
RN 666219-98-3 USPATFULL
CN Vancomycin, 2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-hexopyranosyl)-6'-deoxy-6'-[4-(methoxycarbonyl)-1H-1,2,3-triazol-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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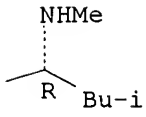

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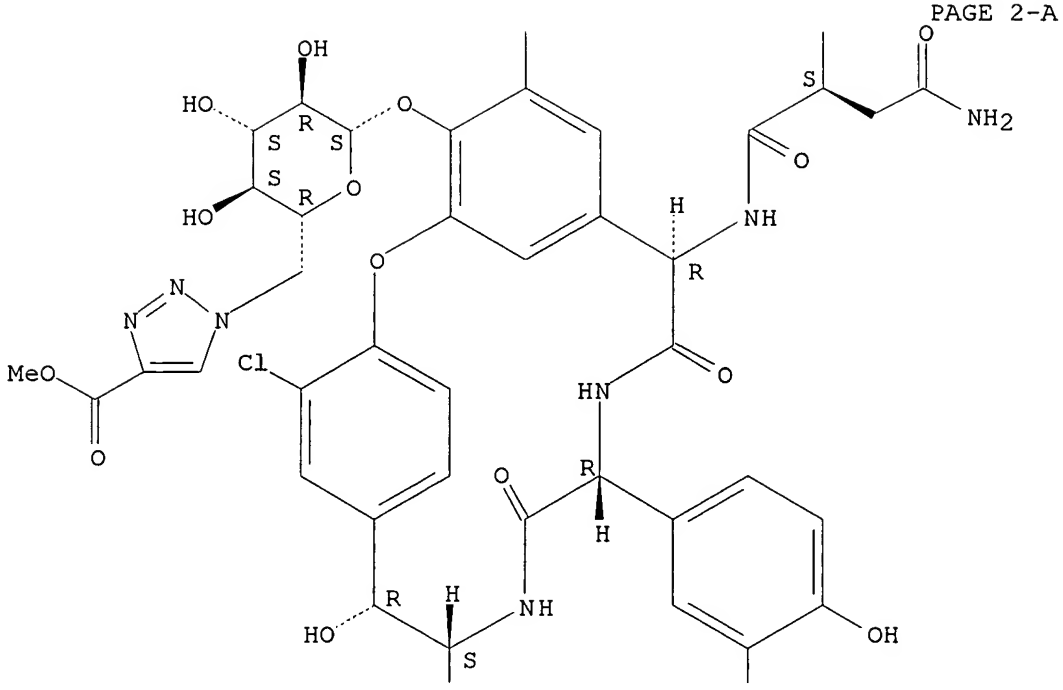

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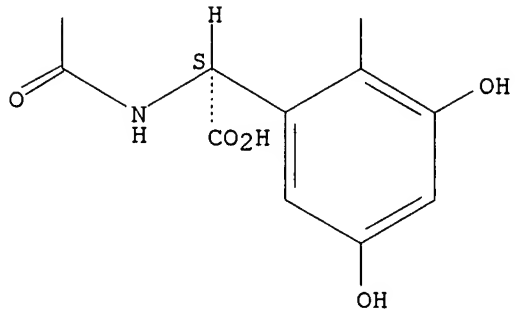

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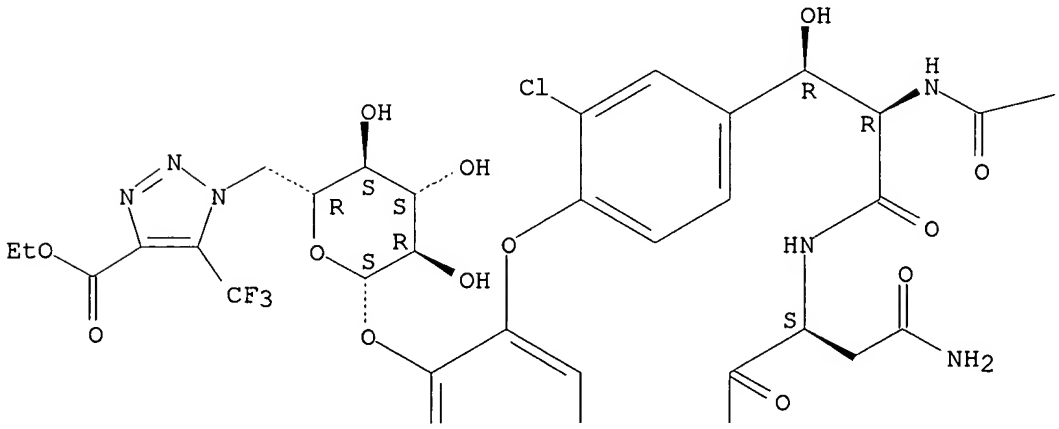
Absolute stereochemistry.

PAGE 1-A



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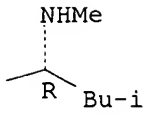

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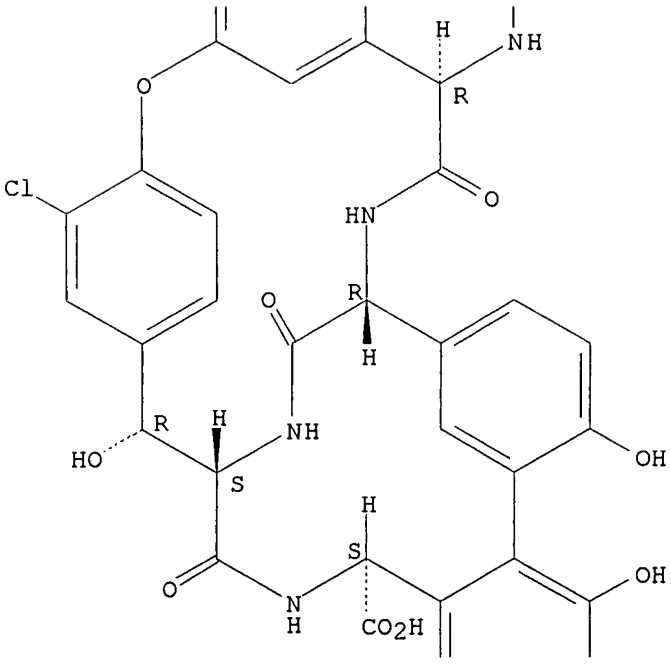

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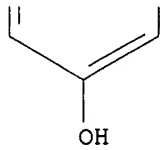
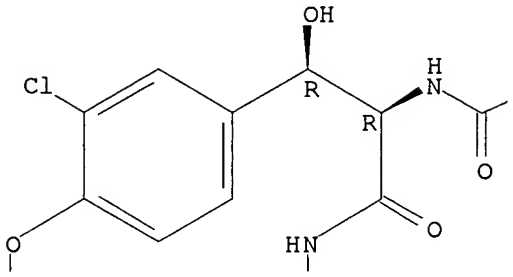


IT 666220-00-4P 666220-10-6P
(glycorandomization and production of novel vancomycin analogs)
RN 666220-00-4 USPATFULL
CN Vancomycin, 2'-O-de(3-amino-2,3,6-trideoxy-3-C-methyl-α-L-lyxo-

hexopyranosyl)-6'-deoxy-6'-[4-[(1,1-dimethylethoxy)carbonyl]-1H-1,2,3-triazol-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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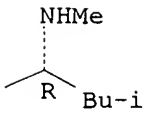

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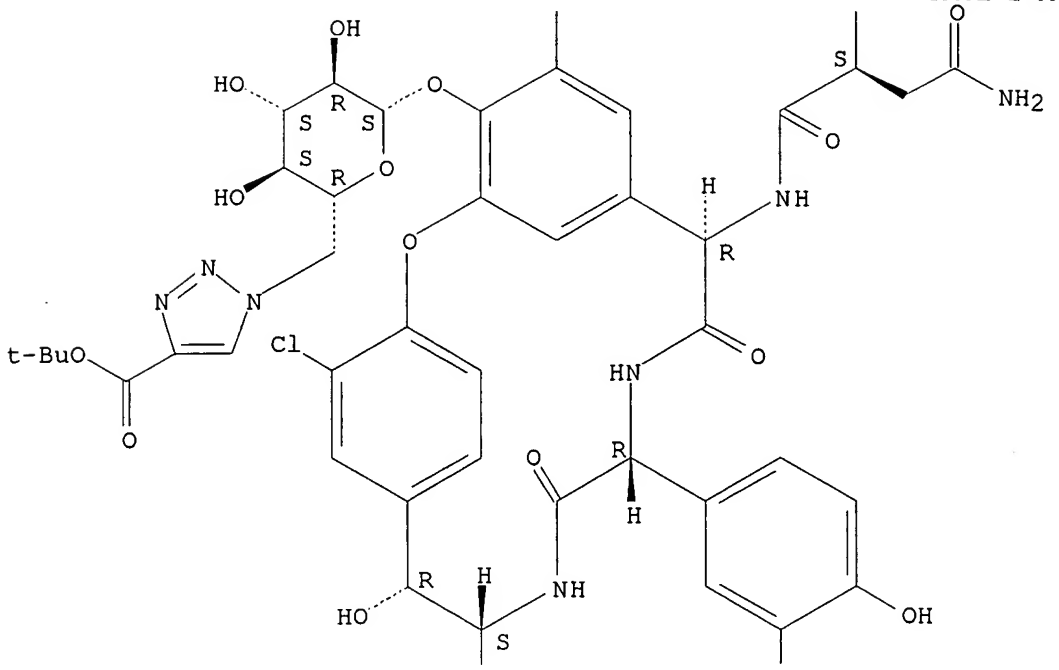

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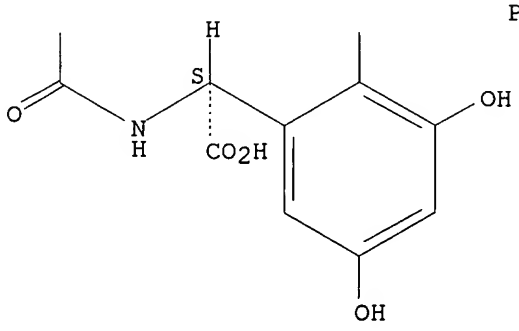

RN 666220-10-6 USPATFULL
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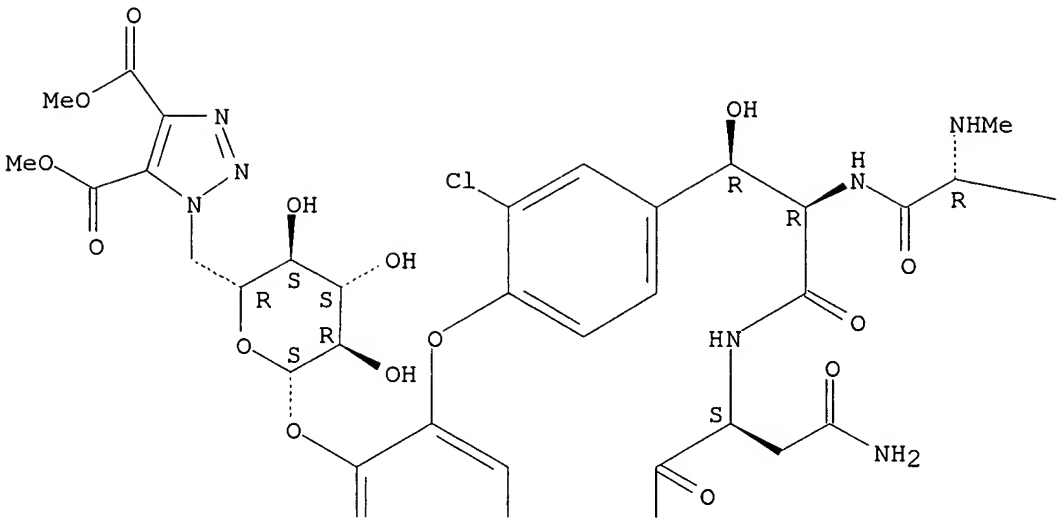
Absolute stereochemistry.

PAGE 1-A



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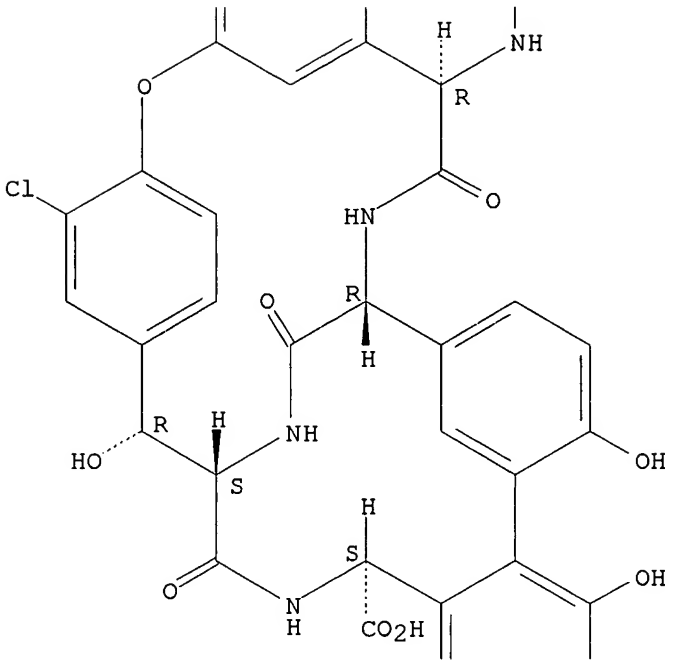

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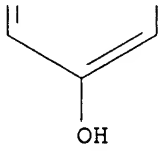

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FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 21 Nov 2006 (20061121/PD)
FILE LAST UPDATED: 21 Nov 2006 (20061121/ED)
HIGHEST GRANTED PATENT NUMBER: US7140045
HIGHEST APPLICATION PUBLICATION NUMBER: US2006260017
CA INDEXING IS CURRENT THROUGH 21 Nov 2006 (20061121/UPCA)
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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
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